

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 16, 19 and 23 as follows.

Please **CANCEL** claim 18 without prejudice or disclaimer.

Please **ADD** new claims 33 – 38 as follows.

A copy of all pending claims and a status of the claims is provided below.

1. – 15. (Canceled)

16. (Currently Amended) A method for delivering a multi-phase mixture from a well using a displacement pump through which the multi-phase mixture is pumped, comprising, on a pressure side, splitting off a partial liquid flow from a main delivery flow and guiding the split partial liquid flow to a high-pressure side of at least one ejector pump arranged on a suction side of the displacement pump as an auxiliary delivery device,

further comprising carrying out a separation of a gas phase and a liquid phase in the displacement pump, wherein the partial liquid flow to the ejector pump is split off from the separated liquid phase.

17. (Previously Presented) The method according to claim 16, wherein the ejector pump is arranged in or on the well.

18. (Canceled)

19. (Currently Amended) The method according to claim ~~16~~ 18, further comprising feeding a partial volume flow of the separated liquid phase in a portioned manner to a suction side of the displacement pump via a short-circuited line.

20. (Previously Presented) The method according to claim 16, further comprising, after the partial liquid flow has been split off, guiding the split off partial liquid flow through an additional separator for dividing a gas phase from a liquid phase.

21. (Previously Presented) The method according to claim 16, further comprising increasing a delivery pressure between the displacement pump and the ejector pump by a booster pump.

22. (Previously Presented) A pump installation comprising a displacement pump for delivering multi-phase mixtures with a pump housing in which a pressure chamber is provided, at least one separation device is provided within the displacement pump housing to divide a gas phase from a liquid phase in the pressure chamber, a suction line configured to open out into a well, and a feed line connecting the pressure chamber of the displacement pump with a high-pressure side of at least one ejector pump arranged on a suction side in a delivery direction of the displacement pump and which guides the separated liquid phase to the ejector pump.

23. (Currently Amended) The pump installation according to claim 22, wherein the ejector pump is arranged in an area of discharge of where the suction line opens out into the well in the delivery direction of the displacement pump.

24. (Previously Presented) The pump installation according to claim 22, further comprising a short-circuited line leading from a pressure-chamber side to the suction side of the displacement pump for portioned feeding of the separated liquid phase.

25. (Previously Presented) The pump installation according to claim 22, further comprising an additional separator arranged in the feed line for dividing the liquid phase from the gas phase.

26. (Previously Presented) The pump installation according to claim 25, further comprising a return line leading from the additional separator to a pressure line of the displacement pump.

27. (Previously Presented) The pump installation according to claim 22, further comprising a booster pump arranged in the feed line.

28. (Previously Presented) The pump installation according to claim 22, wherein the displacement pump is a screw pump.

29. (Previously Presented) The pump installation according to claim 22, wherein the ejector pump is arranged in or on the well.

30. (Previously Presented) The pump installation according to claim 29, wherein the ejector pump is at an end of the suction line.

31. (Previously Presented) The method according to claim 16, wherein the delivering the multi-phase mixture from the well is performed with an absence of a carrier fluid.

32. (Previously Presented) The pump installation according to claim 22, wherein the displacement pump is operable to deliver the multi-phase mixtures in an absence of a carrier fluid.

33. (New) The method according to claim 16, further comprising feeding a partial volume flow of the separated liquid phase in a portioned manner to a suction side of the displacement pump via a short-circuited line, wherein:

the ejector pump is arranged in or on the well, and

the partial liquid flow is used to drive the ejector pump and circulates between the ejector pump and the displacement pump without any permanent contamination of the multi-phase mixture delivered from the well.

34. (New) The method according to claim 16, wherein a liquid phase of the multi-phase mixture delivered from the well is used for operating the ejector pump.

35. (New) The method according to claim 16, wherein the ejector pump is devoid of any moving members.

36. (New) The pump installation according to claim 22, further comprising:

a short-circuited line leading from a pressure-chamber side to the suction side of the displacement pump for portioned feeding of the separated liquid phase; and
a return line leading from the additional separator to a pressure line of the displacement pump, wherein:

the ejector pump is arranged in an area where the suction line opens out into the well in the delivery direction of the displacement pump, and

the ejector pump is devoid of any moving members.

37. (New) The method according to claim 16, wherein the delivering the multi-phase mixture from the well is performed using the partial liquid flow of a delivery product and with an absence of a separate carrier fluid.

38. (New) The pump installation according to claim 22, wherein the displacement pump is operable to deliver the multi-phase mixtures using the separated liquid phase of a delivery product and with an absence of a separate carrier fluid.